



Class 1 Div 2 Industrial Media Converter 10/100/1000BASE-T to 1000BASE-X Unmanaged

SISTG10xx-211-LRT

10/100/1000Base-T to 1000Base-X Unmanaged
(1) 10/100/1000Base-T port to (1) 1000Base-X Port

Ordering Information

Complete list of fiber optic connector specifications

Extended Operating Temperature
-40°C to +75°C

SISTG1013-211-LRT

10/100/1000BASE-T (RJ-45)
[100 m/328 ft.]
to 1000BASE-SX 850nm MM (SC)
[62.5/125 µm: 220 m/722 ft.]
Link Budget: 7.0 dB
[50/125µm: 550 m/1804 ft.]
Link Budget: 10.0 dB

SISTG1014-211-LRT

10/100/1000BASE-T (RJ-45)
[100 m/328 ft.]
to 1000BASE-LX 1310nm SM (SC)
[10 km/6.2 mi.] Link Budget: 10.5 dB

SISTG1040-211-LRT

10/100/1000BASE-T (RJ-45)
[100 m/328 ft.]
to 1000BASE-X SFP slot (empty)

Optional Accessories (sold separately)

SFP Modules

External AC/DC Power Supply:

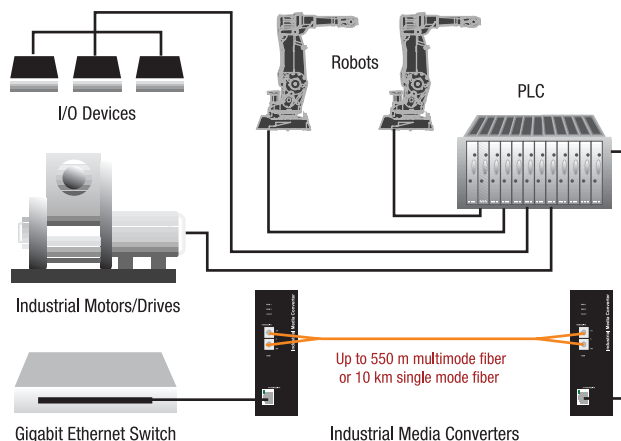
SPS-UA12DHT

(100-240 VDC input
0°C to +70°C operating temperature)

25083

Universal AC/DC Input DIN Rail Mountable
+12 VDC Power Supply

Extend Network Distance in Industrial Applications



Specifications

Complete list of fiber optic connector specifications

Standards	IEEE 802.3, IEEE 802.3ab, IEEE 802.3u, IEEE 802.3x, IEEE 802.3z
Data Rate	Copper: 10/100/1000 Mbps Fiber: 1000 Mbps SFP: 1000 Mbps
Status LEDs	PWR 1 (Power): ON = primary power connected PWR 2 (Power): ON = backup power connected FAULT: ON = power input failure on PWR1 or PWR2 1000M (port 1): ON = Linked at 1000 Mbps LNK/ACT (ports 1-2): ON = Link; FLASHING = data transmitting
Dip Switches	1: Enable/Disable Power Alarm 2: Enable/Disable Link Pass Through
Dimensions	W: 1.2" [30 mm] D: 3.7" [95 mm] H: 5.5" [140 mm]
Ingress Protection	IP30
Input Power	12 to 48 VDC, 0.2A-0.5A, redundant inputs with reverse polarity protection; Additional barrel connector
Power Consumption	5.3 Watts
Environment	-40 to +75°C Ext. operating temp. 5%–95% humidity non-condensing 0 – 10,000 ft. altitude -40 to +85°C storage temp.
Shipping Weight	1.3 lbs. [0.59 kg]
Safety	UL, cUL, CE/EN60950-1; Class 1 Div 2 for hazardous environments
EMI	CISPR22/EN55022; EN60950 Class A; FCC Class A; CE Mark; CE EN61000-4-2; CE EN61000-4-3; CE EN-61000-4-4; CE EN61000-4-5; CE EN61000-4-6; CE EN61000-4-8; CE EN61000-4-11; CE EN61000-4-12; CE EN61000-6-2; CE EN61000-6-4
Environment Compliance	IEC60068-2-32 (Free fall); IEC60068-2-27 (Shock); IEC60068-2-6 (Vibration)
Warranty	Lifetime

Transition Networks' Industrial Media Converters are hardened devices designed to reliably operate in harsh environments such as those found on factory floors, outdoor enclosures or other hazardous environments.

Features

- ▶ Auto-Negotiation
- ▶ AutoCross™
- ▶ Link Pass Through
- ▶ Extended (-40°C to 75°C) operating temperature
- ▶ Dry Contact Relay Alarm Output
- ▶ Dual, Redundant, Auto-Sensing 12-48 VDC Power Inputs
- ▶ Reverse Polarity Power Input Protection
- ▶ Overload Current Protection
- ▶ DIN Rail Mounting and Wall Mount Brackets Included
- ▶ Barrel connector interface cable included for connecting external AC/DC power supply
- ▶ Class 1 Div 2 Certified



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